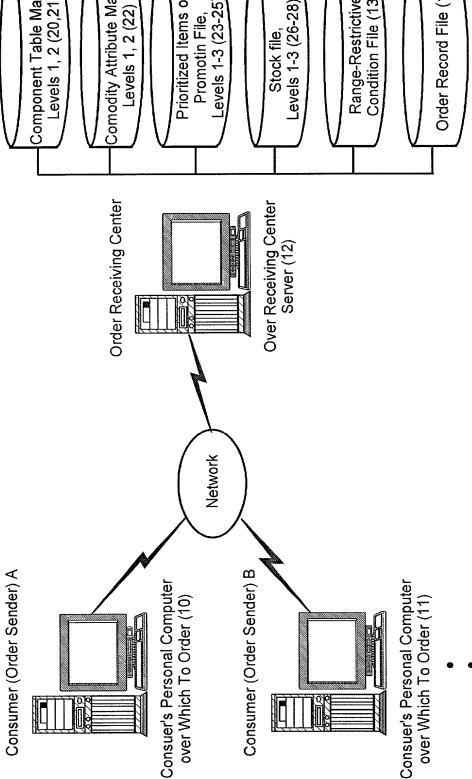
System Configuration



# FIG.2 Conditions Information to be Furnished by the Consumer, Based on Which the System Creates a Menu for Foodstuff Selection (15)

Family make-up	Two adults with one child
Restrictions on diets	Allergic Low salt Low calorie
Period that I want menu displayed for order	2nd to 3rd weeks of June
Kind of food	Japanese Western Chinese Vegetarian
Preparation level	Full prepared (Level 1) Foodstuff Set (Level 2) Discrete Foodstuff (Level 3)
Price/quality rank of order	High Middle Low

#### FIG.3 Stock Table, Level 1 (20)

Level 1 Commodity ID	Level 1 Commodity Name	Stock quantity
1100	Sukiyaki A	100
1101	Sukiyaki B	0
:	·	:
1200	Shab-shab, beef A	45
1201	Shab-shab, beef B	11
:	:	:
1300	Shab-shab, pork A	45
:	:	:

#### FIG.4 Stock Table, Level 2 (21)

Level 2 Commodity ID	Level 2 Commodity Name	Stock quantity
11001	Foodstuff Set for Sukiyaki A	10
11011	Foodstuff Set for Sukiyaki B	70
:	:	:
12001	Foodstuff Set for Shab-shab, beefA	80
12011	Foodstuff Set for Shab-shab, beefB	0
:	:	:
13001	Foodstuff Set for Shab-shab, porkA	80
:	·	:

Applicant: Masao Okura et al. Sheet 3 of 13

# FIG.5

#### Stock Table, Level 3 (22)

Level 3 Commodity ID	Level 3 Commodity Name	Stock quantity
110011	Slices of Matsuzaka beef meat	300
:	·	:
110021	Slices of high-grade beef meat	0
÷	÷	:
120021	Welsh onion pieces	1000
:	:	:
130011	Kurobuta pork loin	500
·	:	÷
140011	Cabbage	100

## FIG.6

#### Prioritized Items of Promotion Table, Level 1 (23)

Level 1	Level 1	Category/points of prioritized items of promotion		
Commodity ID	Commodity Name	Excessive stock	Sales campaign	Promotion points
1100	Sukiyaki A	-	7	7
1101	Sukiyaki B	-	2	2
÷	:	÷	:	:
1200	Shab-shab, beefA	-	-	-
1201	Shab-shab, beefB	-	-	-
·	:	:	:	:
1300	Shab-shab, porkA	-	-	-
÷	:	:	:	:

Title: Electronic Commerce Goods Data Search Method And System With The Addition Of Distributor's Strategy

Applicant: Masao Okura et al. Sheet 4 of 13

# FIG.7

#### Prioritized Items of Promotion Table, Level 2 (24)

Level 2	Level 2	Category/points of prioritized items of promotion		
Commodity ID		Excessive stock	Sales campaign	Promotion points
11001	Foodstuff Set for Sukiyaki A	-	-	-
11011	Foodstuff Set for Sukiyaki B	-	-	-
:	÷	:	:	:
12001	Foodstuff Set for Shab-shab, beefA	=	-	-
12011	Foodstuff Set for Shab-shab, beefB	1	2	3
:		:	:	:
13001	Foodstuff Set for Shab-shab, porkA	-	-	-
:	:	:	:	:

# FIG.8

#### Prioritized Items of Promotion Table, Level 3 (25)

Level 3	Level 3	Category/points of prioritized items of promotion		
Commodity ID	Commodity Name	Excessive stock	Sales campaign	Promotion points
110011	Slices of Matsuzaka beef meat	-	5	5
110021	Slices of high-grade beef meat	-	-	-
:	:	:	:	:
120021	Welsh onion pieces	-	2	2
:	:	;	:	:
130011	Kurobuta pork loin	1	-	1
:	:	;	:	:
140011	Cabbage	_	-	-
	÷	:	:	:

Title: Electronic Commerce Goods Data Search Method And System With The Addition Of Distributor's Strategy
Applicant: Masao Okura et al.

Sheet 5 of 13

## FIG.9

Component Table, Level 1 (Full-Prepared) (26)

Level 1 Component ID	Level 1 Compnent Name	Level 2 Component ID	Level 2 Compnent Name	A portion per person
1100	Sukiyaki A	11001	Foodstuff Set for Sukiyaki A :	One lot :
1101	Sukiyaki B	11011	Foodstuff Set for Sukiyaki B :	One lot :
1200	Shab-shab, beef A	12001	Foodstuff Set for Shab-shab, beef A :	One lot :
:	:		:	:
1300	Shab-shab, pork A	13001	Foodstuff Set for Shab-shab, pork A :	One lot :
	-	:	:	:

#### **FIG.10**

Component Table, Level 2 (Foodstuff Set) (27)

Component	Table, Level 2 (Foodstull	Get) (21)		
Level 2 Component D	Level 2 Compnent Name	Level 3 Component ID	Level 3 Compnent Name	A portion per person
11001	Foodstuff Set for Sukiyaki A	110011 120021	Slices of Matsuzaka beef meat Welsh onion pieces :	200g as a whole one :
11011	Foodstuff Set for Sukiyaki B	110021 120021	Slices of high-grade beef meat Welsh onion pieces :	200g as a whole one :
:	:	:	:	
12001	Foodstuff Set for Shab- shab, beef A :	110011 140011	Slices of Matsuzaka beef meat Cabbage :	200g for a whole one :
:	÷	:		
13001	Foodstuff Set for Shab- shab, pork A :	130011 140011	Kurobuta pork loin Cabbage :	200g for a whole one :
:	:	:	:	

Kim Kanzaki, Reg No. 37,652, (650) 326-2400
Atty. Docket: 16869P021000
Title: Electronic Commerce Goods Data Search Method And System With The Addition Of Distributor's Strategy
Applicant: Masao Okura et al.
Sheet 6 of 13

## **FIG.11**

#### Commodity Attriute Master, Level 1 (Full-Prepared) (28)

Level 1 Component ID	Level 1 Commodity Name	Kind of food	Restrictions on diets	Price/quality rank
1100	Sukiyaki A	Japanese	<del>-</del>	High
1101	Sukiyaki B	Japanese		Middle
:	÷	:	:	•
1200	Shab-shab, beef A	Japanese	_	High
1201	Shab-shab, beef B	Japanese	-	Middle
·	:	:	÷	•
1300	Shab-shab, pork A	Japanese	_	High
÷	÷	:	:	:

# **FIG.12**

#### Range-Restrictive Condition Table (29)

Condition	Order placed very lately	Order record (season-basis)	Offered for sale
1	×	0	0
2	×	×	×
3	0	0	×
4	0	×	×

Title: Electronic Commerce Goods Data Search Method And System With The Addition Of Distributor's Strategy
Applicant: Masao Okura et al.

Sheet 7 of 13

1320

# FIG.13

1310

Slices of Matsuzaka beef meat Cabbage 110011 Shab-shab, beef A Commodity Name Level 1 Level 1 Component D 12001 Price/quality rank High Search condition Japanese Kind of food Preparation level Delivery date Order record File (30) Customer Name Customer ID

# **IIG.14**

	A portion per person	200g for a whole one		200g as a whole one :	•
by File Search	Level 3 Component Name	Slices of high-grade beet meat Welsh onion pieces	•	Kurobuta pork loin Cabbage :	•
ation Obtaine	Level 3 Component D	110011	• •	130011	
าน as Informa	Promotion points	7		<del>-</del>	•
ates To Be Offered in a Menu as Information Obtained by File Search	Level 2 Component Name	Sukiyaki A		Shab-shab, pork A	•
Order Candidates	Level 2 Component ID	11011		13001	•

Title: Electronic Commerce Goods Data Search Method And System With The Addition Of Distributor's Strategy Applicant: Masao Okura et al.

Sheet 8 of 13

Prioritized Items of Promotion Table, Level 3, Updated	Category/points of prioritized items of promotion	Promotio point	2	ŧ	••	1	••	5		I	
		Sales campaign	2	•	•	1	• •	9	• •		•••
		Excessive stock	R	•	• •	9		ŧ		ı	••
	Level 3	Commodity Name	Slices of Matsuzaka beef meat	Slices of high-grade beef meat		Welsh onion pieces		Kurobuta pork loin		Cabbage	
	Level 3 Commodity ID		110011	110021		120021		130011		140011	

Order Candidates To Be Offered in a Menu as Information Obtained by File Search, Updated

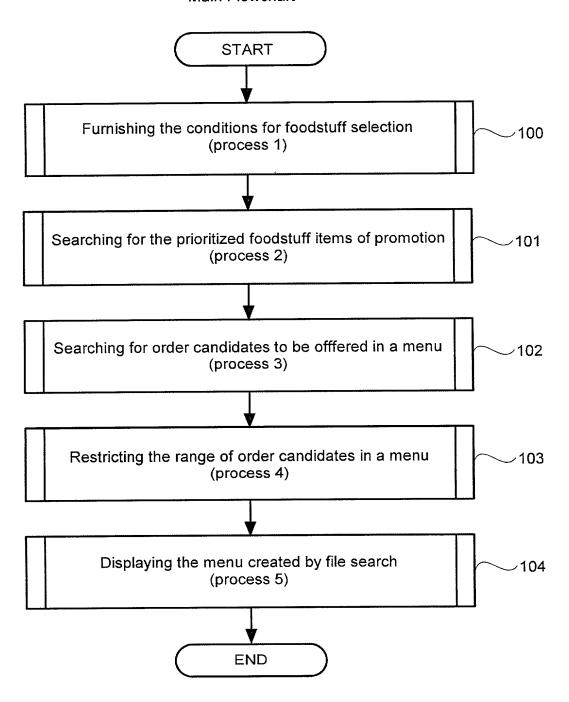
A portion per person		200g	as a whole one	•••	• •	200g	for a whole one :		
Level 3 Compnent Name		Kurobuta pork loin	Cabbage	•		Slices of Matzuzaka meat	Welsh onion pieces		
Level 3 Component ID	• •	130011	140011		• •	110011	120021		
Promotion points	-	5			•	2			
Level 2 Compnent Name	•	Shab-shab, pork A			• •	Sukiyaki A			
Level 2 Component D		13001				11011			•
	Level 2	Level 2 Promotion Level 3 Component Name Component Same Component Name : : : : : : : : : : : : : : : : : : :	Level 2         Promotion points         Level 3 Level 3 Component         Level 3 Component           Component Name             Shab-shab, pork A         5         130011         Kurobuta pork loin	Level 2Promotion pointsLevel 3 Component IDLevel 3 Component Name : : : : : : Shab-shab, pork ALevel 3 pointsShab-shab, pork A5130011Kurobuta pork loin 140011	Level 2 Component Name  Component Name  Component Name  Component Name  Component Name  Component Name  140011 Component Name  140011 Component Name  140011 Component Name  140011 Component Name	Level 2         Promotion points         Level 3 Component Component Name           Compnent Name         : : : : : : : : : : : : : : : : : : :	Level 2         Promotion points         Level 3 Component Name         Level 3 Component Name           Shab-shab, pork A         5         130011 Kurobuta pork loin           Shab-shab, pork A         5         140011 Cabbage           Sukiyaki A         2         110011 Slices of Matzuzaka meat	Level 2 Promotion Component Component Name  Component Name  Shab-shab, pork A Sukiyaki A Sukiyaki A  Level 3 Component Name  Component Name  140011 Kurobuta pork loin  140011 Cabbage  110011 Slices of Matzuzaka meat  120021 Welsh onion pieces	Level 2  Component Name  Evel 3  Component Name  Evel 3  Component Name  Evel 3  Component Name  130011  Evel 3  Component Name  140011  Evel 3  Component Name  140011  Evel 3  Evel 3  Evel 3  Evel 3  Evel 13  Evel 3  Evel 13  Evel 13  Evel 13  Evel 140011  Evel 13  Evel 140011  Evel 140011

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Atty. Docket: 16869P021000
Title: Electronic Commerce Goods Data Search Method And System With The Addition Of Distributor's Strategy Applicant: Masao Okura et al.

Sheet 9 of 13

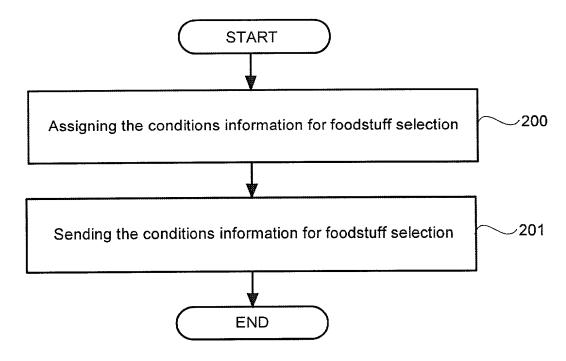
#### **FIG.17**

#### Main Flowchart



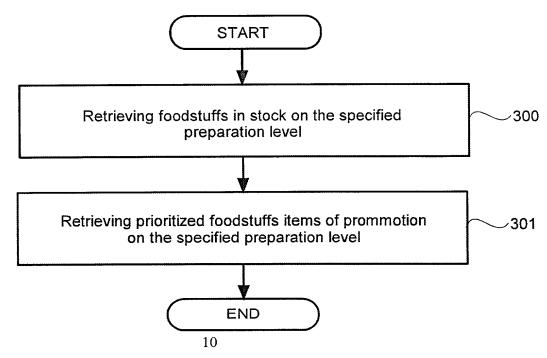
#### **FIG.18**

Furnishing the Conditions for Foodstuff Selection (Process 1)



**FIG.19** 

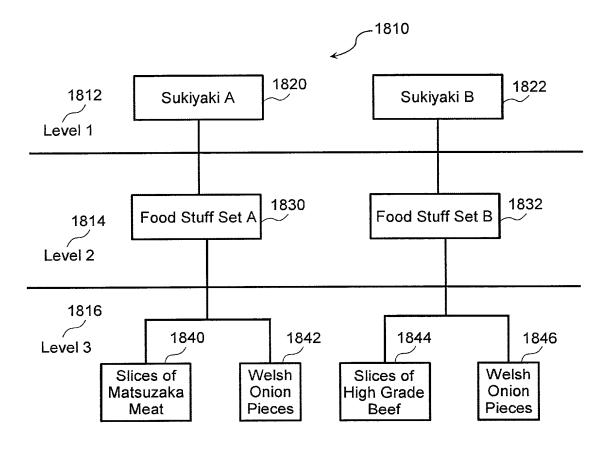
Searching for the Prioritized Foodstuff Items of Promotion (Process 2)



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Applicant: Masao Okura et al.

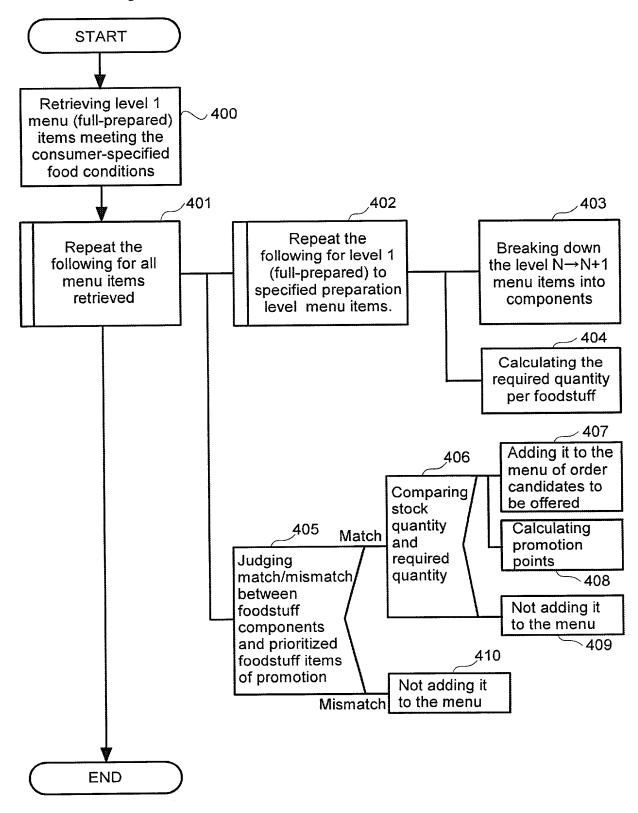
Sheet 11 of 13

FIG.18A



#### **FIG.20**

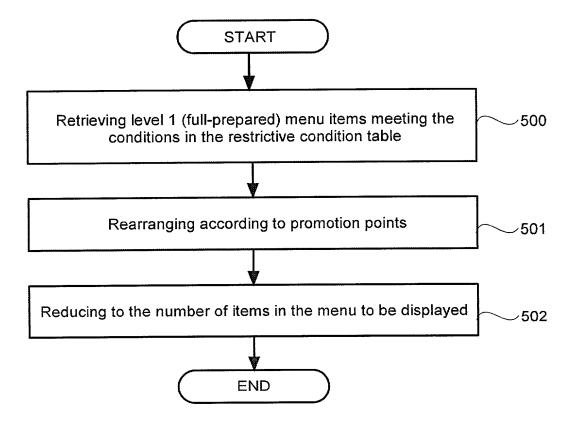
#### Searching for Order Candidates To Be Offered in a Menu (Process 3)



ETWORKS: JUST 174

#### **FIG.21**

Flowchart of Restricting the Range of Order Candidates in a Menu (Process 4)



**FIG.22** 

Displaying the Menu Created by File Search (Process 5)

